L Number			DB	Time stamp
<b>-</b>		(Chen.in. or Lee.in. or (Chang near2 (Chun or Plastic)).as.) and (waveguide or		2004/10/29 11:22
		lightguide or (wave adj guide)) and	US-PGPUB	
		(\$10acrylate same ((Ti or titanium) near3		
		(alkoxide or \$5methoxide or \$5ethoxide or		
		\$5propoxide or \$5isopropoxide or		
2		\$5butoxide or \$5isobutoxide)))		
۷	2	1 (strong means of decirity of (chang hears (Chin	USPAT;	2004/10/29 11:22
		or Plastic)).as.) and ((\$10acrylate or \$10methacrylate) same ((Ti or titanium)	US-PGPUB	
		near3 (alkoxide or \$5methoxide or		
		\$5ethoxide or \$5propoxide or		
		\$5isopropoxide or \$5butoxide or		
3	1478	\$5isobutoxide)))		
•	14/0	(Chen.in. or Lee.in. or (Chang near2 (Chun or Plastic)).as.) and (waveguide or	USPAT;	2004/10/29 10:09
		lightguide or (wave adj guide))	US-PGPUB	
4	1	((Chang near2 (Chun or Plastic)).as.) and	USPAT;	2004/10/20 10 00
		(waveguide or lightguide or (wave adj	US-PGPUB	2004/10/29 10:09
5	1	guide))		
5	1	(Chen.in. or Lee.in. or (Chang near2 (Chun	EPO; JPO;	2004/10/29 10:10
		or Plastic)).as.) and (waveguide or lightguide or (wave adj guide)) and	DERWENT;	
		(\$10acrylate and ((Ti or titanium) near3	IBM_TDB	
		(alkoxide or \$5methoxide or \$5ethoxide or		
•		\$5propoxide or \$5isopropoxide or		
6	12	\$5butoxide or \$5isobutoxide)))		
U	12	The second of the chang hears (Ching	USPAT;	2004/10/29 11:23
		or Plastic)).as. or changchun.as.) and (waveguide or lightguide or (wave adj	US-PGPUB;	
		guide)) and ((polymer\$2 or organic or	EPO; JPO; DERWENT;	
		resin\$3) near2 (oxide.or inorganic) near6	IBM TDB	
7	60	(composite or hybrid))		
	60	Transfer of Booting Of Chang Heary (Chijn	USPAT;	2004/10/29 10:15
		or Plastic)).as. or changchun.as.) and ((waveguide or lightguide or (wave adj	US-PGPUB;	
	i	guide)) near6 (composite or hybrid))	EPO; JPO; DERWENT;	
0			IBM TDB	
3	56	I transfer of Bootin. Of Chang heary	USPAT;	2004/10/29 10:15
		(Chun or Plastic)).as. or changchun.as.)	US-PGPUB;	10.10
		and ((waveguide or lightguide or (wave adj guide)) near6 (composite or hybrid))) not	EPO; JPO;	
		((Chen.in. or Lee.in. or (Chang near2	DERWENT;	
		(Chun or Plastic)).as. or changehum.as )	IBM_TDB	
	•	and (waveguide or lightquide or (wave adi		
		guide)) and ((polymer\$2 or organic or		
		resin\$3) near2 (oxide or inorganic) near6 (composite or hybrid)))		
9	690	(427/552,555).CCLS.	IICDAM.	2004/10/00 10 15
			USPAT; US-PGPUB	2004/10/29 10:15
LO	439	(427/163.2).CCLS.	USPAT;	2004/10/29 10:15
L1	453	(427/271).CCLS.	US-PGPUB	
-	133		USPAT;	2004/10/29 10:15
.2	2925	14211312 2 370	US-PGPUB	0004404
			USPAT; US-PGPUB	2004/10/29 10:15
.3	1179	(//2/////2) CCIC	USPAT;	2004/10/29 10:15
4	2240		US-PGPUB	2001/10/25 10.15
1	2240	The state of the s	USPAT;	2004/10/29 10:16
.5	597	1 1 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 1 1	US-PGPUB	
			USPAT; US-PGPUB	2004/10/29 10:16
6	1116	(385/102) 103 100 100 0	USPAT;	2004/10/29 10:16
7	0000		US-PGPUB	2004/IO/53 IO:10
′	8823	((427/552,555).CCLS.) ((427/163.2).CCLS.)	USPAT;	2004/10/29 10:16
		((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-PGPUB	
	1	((385/129,130,131).CCLS.)		
1		((385/132).CCLS.)	1	
1	1	((385/142,143,144,145).CCLS.)		

10		11205/1200		
18	63	((385/132).CCLS.) and ((385/142,143,144,145).CCLS.)	USPAT;	2004/10/29 10:16
19	0	(((385/129,130,131).CCLS.) or ((385/132).CCLS.) or	US-PGPUB USPAT;	2004/10/29 10:18
20	4	((385/142,143,144,145).CCLS.)) and ((\$10acrylate or \$10methacrylate) same ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5butoxide or \$5isobutoxide))) ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-PGPUB USPAT; US-PGPUB	2004/10/29 10:20
21	53	((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((\$10acrylate or \$10methacrylate or \$5acrylic) same ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5butoxide or \$5isobutoxide))) (((385/129,130,131).CCLS.) or	USPAT;	2004/10/29 10:21
		((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
22		(((((385/129,130,131).CCLS.) or ((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))) and (\$10acrylate and ((Ti or titanium) near3 (alkoxide or methoxide or ethoxide or propoxide or isopropoxide or butoxide or isobutoxide)))	USPAT; US-PGPUB	2004/10/29 10:22
23	50	((((385/129,130,131).CCLS.) or ((385/132).CCLS.) or ((385/132).43,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) not ((((((385/129,130,131).CCLS.) or ((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))) and (\$10acrylate and ((Ti or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/29 10:25
24	55 S	titanium) near3 (alkoxide or methoxide or ethoxide or propoxide or isopropoxide or butoxide or isobutoxide)))) ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylic or \$10acrylate) near4 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or nix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightquide)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/29 10:28

(427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylic or \$10acrylate) near4. (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightguide) not (((385/129,130,131).CCLS.)) or ((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))))	0/29 10	0:30
(127/132.2.379).CCLS.) (1427/402).CCLS.) (1385/129,130,131).CCLS.) (1385/132).CCLS.) (1385/142,143,144,145).CCLS.)) and (1901/mer\$2 or organic or resin\$3 or sinarylic or siloacrylate) near4 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titania or titania or inorganic or (1901/mer\$2 or organic or (1901/mer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (1901/mer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) (1((385/132).CCLS.)) and (1901/mer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27    1 (((385/132).CCLS.)) and ((\$10acrylate or sl0methacrylate) and ((\$10acrylate or sl0methacrylate) and ((\$10acrylate or sl0methacrylate) and ((\$10acrylate or sl0methacrylate) or sl5isopropoxide or \$5butoxide or \$5bu		
(385/132).CCLS.) (385/132).CCLS.) (385/132).CCLS.)) (385/132).CCLS.)) (1901/mer\$2 or organic or resin\$3 or \$10acrylate or s10acrylate) near4 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titania or titania or titania or commission or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightquide) not (((385/122).CCLS.) or ((385/132).CCLS.) or ((385/132).CCLS.)) or ((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))) (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near5 (\$51koxide or \$5methoxide or \$5tiopropoxide or \$5tiopr		
((385/132).CCLS.) ((385/132,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylic or \$10acrylate) near4. (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightguide) not (((385/129,130,131).CCLS.)) or ((385/132).CCLS.) or ((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26  27  1 (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  28  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10mcthacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5tioppropoxide or \$5brtoxide or \$5tioppropoxide or \$5brtoxide or \$5tioppropoxide or \$5brtoxide or \$5tioppropoxide or \$5brtoxide or \$5tioppropoxide or		
((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylic or \$10acrylate) near4. (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightguide) not (((385/129,130,131).CCLS.)) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26  27  1 (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27  28  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near3 (\$53alkoxide or \$5methoxide or \$5techoxide or \$5techoxid		
((polymer\$2 or organic or resin\$3 or \$10acrylic or \$10acrylate) near4 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightguide) not (((385/129,130,131).CCLS.)) or ((385/132).CCLS.) or ((385/132).CCLS.) or ((385/132).CCLS.) or ((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26  12 (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10mcthacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5isoptoxide or \$5isoptoxide or \$5sisobtoxide))  28  3 ((((427/552,555).CCLS.)) ((427/271).CCLS.) ((427/472.2,379).CCLS.) ((385/132).CCLS.) ((427/402).CCLS.) ((385/132).CCLS.) ((427/402).CCLS.) ((385/132).CCLS.) ((385/13		
\$10acrylic or \$10acrylate) near4. (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)) and (waveguide) or lightguide) not ((((385/129,130,131).CCLS.)) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26  12 (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27  1 ((((385/132).CCLS.)) and ((\$10acrylate or \$10mcthacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5tisopropoxide or \$		
Inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightguide) not ((((385/129,130,131).CCLS.)) or ((385/132).CCLS.) or ((385/132).CCLS.) or ((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26  12 (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5topropoxide or \$5to		
titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide) or lightguide) not ((((385/129,130,131).CCLS.)) or ((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26  12  12  13  14  15  15  16  17  16  18  18  18  19  19  19  10  10  10  11  11  11  11		
### Mix\$4 or hybrid or solgel or (sol adj gel)) and (waveguide or (wave adj guide) or lightguide) not ((((385/129,130,131).CCLS.)) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  26		
gel)) and (waveguide or (wave adj guide) or lightguide) not (((((385/129,130,131).CCLS.)) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))		
or lightguide) not     ((((385/129,130,131).CCLS.)) or     ((385/132).CCLS.)) or     ((385/142,143,144,145).CCLS.)) and     ((polymer\$2 or organic or resin\$3) near3     (oxide or inorganic) near6 (composite or     mix\$4 or hybrid or solgel or (sol adj     gel))))  26  12  (((385/132).CCLS.)) and ((polymer\$2 or     organic or resin\$3) near3 (oxide or     inorganic) near6 (composite or mix\$4 or     hybrid or solgel or (sol adj gel)))  27  1  (((385/132).CCLS.)) and ((\$10acrylate or     \$10methacrylate) and ((Ti or titanium)     near3 (\$5alkoxide or \$5methoxide or     \$5isopropoxide or \$5methoxide or     \$5isopropoxide or \$5methoxide or     \$5isopropoxide or \$5methoxide or     \$5isopropoxide or \$5butoxide or     \$5isopropoxide or \$5butoxide or     \$5isopropoxide or \$5methoxide or     \$5methoxide or \$5methoxide or		
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((385/132).CCLS.) or ((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))))  (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((\$10acrylate or \$10methacrylate) and ((\$10acrylate or \$510methacrylate) and ((\$10acrylate or \$510methacrylate o		
((385/142,143,144,145).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((\$10acrylate or \$10methacrylate) and ((\$10acrylate or \$5isoptopoxide or \$5isoptopoxide or \$5isoptopoxide or \$5isoptopoxide or \$5isoptopoxide or \$5isoptoxide)))  (((427/552,555).CCLS.) ((427/271).CCLS.) ((427/163.2).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/129,130,131).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate or \$10methacrylate or \$10acrylate or mix\$4 or hybrid or solgel or (sol adj gel))) and	•	
(spolymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((\$10acrylate or \$10methacrylate) and ((\$10acrylate or \$510methacrylate) and ((\$10acrylate or \$510methacrylate) and ((\$10acrylate or \$510methacrylate)))  ((((427/552,555).CCLS.)) ((427/271).CCLS.) ((427/163.2).CCLS.) ((427/402).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/132).CCLS.) ((385/132).CCLS.) ((385/132).CCLS.) ((385/132).CCLS.) ((585/132).CCLS.) ((585		
(oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))))  (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5isopropoxide or \$5isopropoxide or \$5isopropoxide or \$5isopropoxide or \$5isobutoxide))) ((((427/552,555).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((385/122).CCLS.) ((385/122).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate		
12   mix\$4 or hybrid or solgel or (sol adj gel))) (((385/132).CCLS.)) and ((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))   DERWENT;   IBM TDB   USPAT;   US		
12		
26		
organic or resin\$3) near3 (oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5bisopropoxide or \$5isophoxide or \$5isop		
1 Inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel)))  27  1 (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5tisopropoxide or \$5	0/29 10	33:33
hybrid or solgel or (sol adj gel)))  (((385/132).CCLS.)) and ((\$10acrylate or \$10methacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5tethoxide or \$5tethoxide))  ((((427/552,555).CCLS.)) ((427/271).CCLS.) ((427/163.2).CCLS.) ((427/163.2).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/129,130,131).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate o		
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2004/10  1		
\$10methacrylate) and ((Ti or titanium) near3 (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5butoxide or \$5isobutoxide))) ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.) ((385/129,130,131).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate or \$10methacrylate or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adi gel))) and		
near3 (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5isobutoxide)))  ((((427/552,555).CCLS.)     ((427/163.2).CCLS.) ((427/271).CCLS.)     ((385/129,130,131).CCLS.)     ((385/132).CCLS.)     ((385/142,143,144,145).CCLS.))) and     ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and	1/29 10	:35
\$5ethoxide or \$5propoxide or \$5isopropoxide or \$5isopropoxide or \$5butoxide or \$5isobutoxide))  ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/372.2,379).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate or \$10acr		
\$5isopropoxide or \$5butoxide or \$5isobutoxide))  ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylate or \$1		
\$5isobutoxide))) ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adi gel))) and		
3 ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adi gel))) and	/29 10	:37
((385/129,130,131).CCLS.) ((385/132).CCLS.) ((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
((385/132).CCLS.) ((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adi gel))) and		
((385/142,143,144,145).CCLS.))) and ((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
((polymer\$2 or organic or resin\$3 or \$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
\$10acrylate or \$10methacrylate or \$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adi gel))) and		
\$10acrylic) near3 (oxide or inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		,
titanium) near6 (composite or mix\$4 or hybrid or solgel or (sol adi gel))) and		}
hybrid or solgel or (sol adi gel))) and		
/warraguida an /		
\waveyuide or \wave adi guide\ or \		}
lightguide) and (\$10acrylate and ((Ti or	-	
titanium) near3 (alkoxide or methoxide or		
ethoxide or propoxide or isopropoxide or		
Dutoxide or isobutoxide)))		
6 ((((427/552,555).CCLS.) IISPAT. 2004/10	/20 10	4.0
((427/163.2).CCLS.) ((427/271).CCLS.) (IS-PCDID	/29 10:	:40
((427/372.2,379).CCLS.) $((427/402).CCLS.)$		
((385/129,130,131).CCLS.)		
((385/132).CCLS.)		ĺ
((385/142,143,144,145).CCLS.))) and		
((polymer\$2 or organic or resin\$3) near3		
(Oxide or inorganic) near6 (composite or		
mlx\$4 or hybrid or solgel or (sol adi		
gel))) and (\$10acrylate and ((Ti or		İ
titanium) near3 (alkoxide or methoxide or		
ethoxide or propoxide or isopropoxide or		
butoxide or isobutoxide)))		ļ

30	1 2	1/////		
	3	((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)	USPAT; US-PGPUB	2004/10/29 10:41
		((385/129,130,131).CCLS.) ((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))) and		
		((polymer\$2 or organic or resin\$3) near3		
!		(oxide or inorganic) near6 (composite or		
		mix\$4 or hybrid or solgel or (sol adi	ļ	
		gel))) and (\$10acrylate and ((Ti or titanium) near3 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or		
		butoxide or isobutoxide)))) not		
		(((((427/552,555).CCLS.)		
		((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)		·
		((385/129,130,131).CCLS.)		
		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))) and		
		((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or		
		mix\$4 or hybrid or solgel or (sol adj		
		(gel))) and (waveguide or (wave add guide)		
		or lightguide) and (\$10acrylate and (Ti	[	
		or titanium) near3 (alkoxide or methoxide or ethoxide or propoxide or isopropoxide		
		or butoxide or isobutoxide))))		
31	3	(((((427/552,555).CCLS.)	USPAT;	2004/10/29 10:43
		((427/163.2).CCLS.) ((427/271).CCLS.)	US-PGPUB	2001/10/25 10.45
•		((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.)		
	1	((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))) and		
		(waveguide or (wave adj guide) or		
		lightguide) and (\$10acrylate and ((Ti or titanium) near3 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or		
		butoxide or isobutoxide)))) not		
		(((((427/552,555).CCLS.)		
		((427/163.2).CCLS.) ((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)		
		((385/129,130,131).CCLS.)		
		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))) and		
	ì	((polymer\$2 or organic or resin\$3) near3		
		(oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj		
		gel))) and (\$10acrylate and ((Ti or	1	.
		titanium) near3 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or butoxide or isobutoxide))))		
32	3	((polymer\$2 or organic or resin\$3 or	HCDAM	
		\$10acrylate or \$10methacrylate or	USPAT; US-PGPUB	2004/10/29 10:45
		\$10acrylic) near3 (oxide or inorganic or	05 10105	
		T102 or "Ti0.sub.2" or titanium or		
		titania) near6 (composite or mix\$4 or hybrid or solgel or (sol adj gel))) and		
		(waveguide or (wave adj guide) or		
		lightguide) and (\$10acrylate same ((Ti or		
		titanium) near3 (\$5alkoxide or \$5methoxide		
		or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5butoxide or		
		\$5isobutoxide)))	,	

33	35 (((polymer\$2 or organic or resin\$3) near3		
	(Oxide or inorganic) nearh (composite or		2004/10/29 10:47
	MIX34 Or hybrid or solgel or (sol adi	US-PGPUB	İ
	gel))) and (waveguide or (wave adj guide)		- <b>t</b> :
	or lightguide) and (\$10acrylate and //mi	J	]
ĺ	or titanium) near3 (alkoxide or methoxide		
	or ethoxide or propoxide or isopropoxide		ĺ
]	or butoxide or isobutoxide)))) not		1
	(((polymer\$2 or organic or resin\$3) near3		
	(Oxide or inorganic) near6 (composite or		
{	mlx54 or hybrid or solgel or (sol adi		
	(gel))) and (waveguide or (wave add guide)		
	or lightguide) and (\$10acrylate same (/Ti		
	or titanium) near3 (alkoxide or methoxide		
	or ethoxide or propoxide or isopropoxide		
34	or butoxide or isobutoxide))))	ĺ	
	2 ((waveguide or (wave adj guide) or	USPAT;	2004/10/29 10:51
	lightguide) and (\$10acrylate same ((Ti or	US-PGPUB	1 20101
	titanium) near3 (alkoxide or methoxide or		
ļ	ethoxide or propoxide or isopropoxide or		
[	butoxide or isobutoxide)))) not	1	
	(((polymer\$2 or organic or resin\$3) near3		
	(oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj	1	
	gel))) and (waveguide or (wave adj guide)		
	or lightguide) and (\$10acrylate same ((Ti		
	or titanium) near3 (alkoxide or methoxide		
ĺ	or ethoxide or propoxide or isopropoxide		
	or butoxide or isobutoxide))))		
35	0 ((polymer\$2 or organic or resin\$3) near3	EDO TOO	
	(oxide or inorganic) near6 (composite or	EPO; JPO;	2004/10/29 10:51
	mix\$4 or hybrid or solgel or (sol adj	DERWENT;	
	gel))) and (waveguide or (wave adj guide)	IBM_TDB	
	or lightguide) and (\$10acrylate and ((Ti		
	or titanium) near3 (alkoxide or methoxide		
.	or ethoxide or propoxide or isopropoxide		
2.5	or butoxide or isobutoxide)))		
36	1   (waveguide or (wave adj guide) or	EPO; JPO;	2004/10/20 10 50
	lightguide) and (\$10acrylate and (Ti or	DERWENT;	2004/10/29 10:52
}	titanium) near3 (alkoxide or methoxide or	IBM TDB	
	ethoxide or propoxide or isopropoxide or	1511_1515	
37	butoxide or isobutoxide)))		
3 /	2 ((polymer\$2 or organic or resin\$3) near3	EPO; JPO;	2004/10/29 10:52
	(Oxide or inorganic) near6 (composite or	DERWENT;	2004/10/29 10:32
	mix54 or hybrid or solgel or (sol adi	IBM TDB	
]	gel))) and (\$10acrylate and ((Ti or	_	
.	titanium) near3 (alkoxide or methoxide or		
1	ethoxide or propoxide or isopropoxide or		
38	butoxide or isobutoxide))) 48 (((polymer\$2 or organic or regin\$2)		
	1 , , it and the or ordering of lesing to beaut	EPO; JPO;	2004/10/29 10:54
	(oxide or inorganic) near6 (composite or	DERWENT;	]
	mix\$4 or hybrid or solgel or (sol adj	IBM_TDB	}
	gel))) and (waveguide or (wave adj guide)		1
İ	or lightguide) ) not (((polymer\$2 or		-
	organic or resin\$3) near3 (oxide or		
	inorganic) near6 (composite or mix\$4 or		
	hybrid or solgel or (sol adj gel))) and		1
	(\$10acrylate and ((Ti or titanium) near3 (alkoxide or methoxide or ethoxide or		]
	propoxide or isopropoxide or butoxide or		1
	isobutoxide)))) or ((waveguide or (wave		
1	adj guide) or lightguide) and (\$10acrylate		
	and ((Ti or titanium) near3 (alkoxide or		4
	methoxide or ethoxide or propoxide or		
	isopropoxide or butoxide or		
		_	

20				
39	4	(waveguide or (wave adj guide) or	USPAT;	2004/10/29 11:01
		lightguide) and (\$10acrylate or	US-PGPUB;	
		\$10acrylic) and ((Ti or titanium) near5	EPO; JPO;	
		(alkoxide or methoxide or ethoxide or	DERWENT;	
		propoxide or isopropoxide or butoxide or	IBM_TDB	
		isobutoxide)) and (((Si or silicon) near3	ľ	
40	8823	coupl\$3) or (\$10silyl\$7 near2 \$5acrylate))		
	0023		USPAT;	2004/10/29 11:01
}		((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-PGPUB	
				·
		((385/129,130,131).CCLS.) ((385/132).CCLS.)		
41	1	((385/142,143,144,145).CCLS.)		
_	1	1 ((121/302/300/.CCED.) ((421/103.2).CCES.)	USPAT;	2004/10/29 11:03
		((427/271).CCLS.) ((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-PGPUB;	
		/(385/120 120 121) ggra	EPO; JPO;	
		((385/129,130,131).CCLS.) ((385/132).CCLS.)	DERWENT;	
		((385/142 143 144 145) 0070	IBM_TDB	
		((385/142,143,144,145).CCLS.)) and		
		(\$10acrylate or \$10acrylic) and ((Ti or		
		titanium) near5 (alkoxide or methoxide or		}
	İ	ethoxide or propoxide or isopropoxide or		
		butoxide or isobutoxide)) and (((Si or		
		silicon) near3 coupl\$3) or (\$10sily1\$7		
42	20	near2 \$5acrylate)) (\$10acrylate or \$10acrylic) same ((Ti or		
		titanium) poar5 (alkowida ana (l'i or	USPAT;	2004/10/29 11:05
		titanium) near5 (alkoxide or methoxide or	US-PGPUB;	
		ethoxide or propoxide or isopropoxide or butoxide or isobutoxide)) same (((Si or	EPO; JPO;	
	0.	silicon) near3 coupl\$3) or (\$10sily1\$7	DERWENT;	1 1
		near2 \$5acrylate))	IBM_TDB	1
43	31	(((polymer\$2 or organic or resin\$3) near3		
		(oxide or inorganic) near6 (composite or	USPAT;	2004/10/29 11:06
		mix\$4 or hybrid or solgel or (sol adj	US-PGPUB;	
		gel))) and (waveguide or (wave adj guide)	EPO; JPO;	
		or lightguide) and ((etch\$4 or pattern\$4	DERWENT;	[
		or channel\$3) with (lithograph\$7 or	IBM_TDB	}
		photolithograph\$7 or UV or (ultraviolet)		}
		or (ultra adj violet) or mask\$3 or		
	[ ]	expos\$5))) and (((427/552,555).CCLS.)		
		((427/163.2).CCLS.) ((427/271).CCLS.)		
	}	((427/372.2,379).CCLS.) ((427/402).CCLS.)		
		((385/129,130,131).CCLS.)		
		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))		
44	24	(((polymer\$2 or organic or resin\$3) near3		
		(oxide or inorganic) near6 (composite or	USPAT;	2004/10/29 11:08
,		mix\$4 or hybrid or solgel or (sol adj	US-PGPUB;	
		gel))) and (waveguide or (wave adj guide)	EPO; JPO;	ĺ
		or lightguide) and ((etch\$4 or pattern\$4	DERWENT;	
		or channel\$3) with (lithograph\$7 or	IBM_TDB	
;		photolithograph\$7 or UV or (ultraviolet)		
		or (ultra adj violet) or mask\$3 or		
		expos\$5))) and (((Ti or titanium) with		
		(alkoxide or \$4methoxide or \$4ethoxide or		
		\$4propoxide or \$4butoxide)))	_	
45	3	(\$10acrylate or \$10acrylia)		
		(\$10acrylate or \$10acrylic) and ((Ti or	USPAT;	2004/10/29 11:10
1		titanium) with (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or	US-PGPUB;	
		Shicomponental Art	EPO; JPO;	
		Shi cobataridall and trace	DERWENT;	
		near3 coupl\$3) or (\$10silyl\$7 near2	IBM_TDB	1
		\$5acrylate)) and (waveguide or (wave adj		1
		guide) or lightguide) and ((etch\$4 or		
		pattern\$4 or channel\$2)+ /12+2		
		pattern\$4 or channel\$3) with (lithograph\$7 or photolithograph\$7 or UV or		1
		(ultraviolet) or (ultra adj violet) or	1	
}	,	mask\$3 or expos\$5))	1	

46			1 ((\$10acrylate or \$10acrylic) and ((Ti or titanium) with (\$5alkoxide or \$5methoxide	USPAT; US-PGPUB;	2004/10/29 11:15
			or \$5ethoxide or \$5propoxide or	EPO; JPO;	
ļ			\$5isopropoxide or \$5butoxide or	DERWENT;	·
			\$5isobutoxide)) and (((Si or silicon)	IBM TDB	
			near3 coupl\$3) or (\$10sily1\$7 near2	_	İ
			\$5acrylate)) and (waveguide or (wave adj		
			guide) or lightguide) ) not ((\$10acrylate	·	
	•		or \$10acrylic) and ((Ti or titanium) with		
			(\$5alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or		
			\$5butoxide or \$5isobutoxide)) and (((Si or		
			silicon) near3 coupl\$3) or (\$10sily1\$7		
		Í	near2 \$5acrylate)) and (waveguide or (wave		
			adj guide) or lightguide) and ((etch\$4 or		
			pattern\$4 or channel\$3) with (lithograph\$7		
1			or photolithograph\$7 or UV or		
			(ultraviolet) or (ultra adj violet) or		
47			mask\$3 or expos\$5))) 0 ((\$10acrylate or \$10acrylic) with		
1 7			-   (() - o d o - ) - d c o d c - y - t c d c - y - c d c - y -	USPAT;	2004/10/29 11:15
}			(react\$4) with ((Ti or titanium) with (\$5alkoxide or \$5methoxide or \$5ethoxide	US-PGPUB;	}
	٠		or \$5propoxide or \$5isopropoxide or	EPO; JPO;	
			\$5butoxide or \$5isobutoxide))) and	DERWENT;	
		İ	(((427/552,555).CCLS.) ((427/163.2).CCLS.)	IBM_TDB	1
			((427/271).CCLS.) $((427/372.2.379).CCLS.)$		
			((427/402).CCLS.)		
			((385/129,130,131).CCLS.)		
			((385/132).CCLS.)		
48			((385/142,143,144,145).CCLS.))		
140		6	6 (\$10acrylate or \$10acrylic) with (react\$4)	USPAT;	2004/10/29 11:16
			with ((Ti or titanium) with (\$5alkoxide or \$5methoxide S-PGPUB;		
			\$5methoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5butoxide or	EPO; JPO;	
			\$5isobutoxide))	DERWENT;	
49		1.	2 ((\$10acrylate or \$10acrylic) with	IBM_TDB	2004/10/00 11 1-
			(react\$4) with ((Ti or titanium) with	USPAT; US-PGPUB;	2004/10/29 11:17
			(\$5alkoxide or \$5methoxide or \$5ethoxide	EPO; JPO;	
			or \$5propoxide or \$5isopropoxide or	DERWENT;	]
			\$5butoxide or \$5isobutoxide))) and	IBM TDB	İ
			(waveguide or (wave adj guide) or	_	
50		20	lightguide)		}
			(427/226).ccls. and (waveguide or (wave adj guide) or (lightguide))	USPAT;	2004/10/29 11:18
			(lightguide))	US-PGPUB;	
				EPO; JPO;	•
				DERWENT; IBM TDB	}
51			(waveguide or (wave adj guide) or	USPAT;	2004/10/29 11:19
			(lightguide)) and ((ratio or proportion or	US-PGPUB;	2004/10/29 11:19
			amount) with ((Ti or titanium) with	EPO; JPO;	
			(\$5alkoxide or \$5methoxide or \$5ethoxide	DERWENT;	
			or \$5propoxide or \$5butoxide)) with (index	IBM_TDB	
52		13	near2 refract\$5))	<del></del>	
			I the same of the court datable of	USPAT;	2004/10/29 11:20
			(lightguide)) and (((Ti or titanium) with (\$5alkoxide or \$5methoxide or \$5ethoxide	US-PGPUB;	
!			or \$5propoxide or \$5butoxide)) same	EPO; JPO;	
			(\$10acrylate or \$10acrylic or MMA or	DERWENT;	
			PMMA))	IBM_TDB	
53		2874	(430/322,323,324).CCLS.	USPAT;	2004/10/29 11:20
E 4			II.	US-PGPUB	7003/10/72 II:70
54		914	(216/24,39).CCLS.	USPAT;	2004/10/29 11:20
55		2752	((420/222 222 224)	US-PGPUB	, ==, = 5 11,20
J J		3753	1	USPAT;	2004/10/29 11:20
56		2	((216/24,39).CCLS.)	US-PGPUB	
ļI.Ī		2	(1216/24 20) 007 0	USPAT;	2004/10/29 11:21
			((216/24,39).CCLS.)) and (waveguide or lightguide or (wave adj guide)) and	US-PGPUB	
			(\$10acrylate same ((Ti or titanium) near3		
			(alkoxide or \$5methoxide or \$5ethoxide or		
	I		\$5propoxide or \$5isopropoxide or		1
			\$5butoxide or \$5isobutoxide)))		
Search			0/20/04 11 22 12		

3	(((430/322,323,324),CCLS.)	IICD7m	
	((216/24,39).CCLS.)) and ((\$10acrylate or	•	2004/10/29 11:22
	\$10methacrylate) same ((Ti or titanium)	US-PGPUB	
	near3 (alkoxide or \$5methoxide or		
	\$5ethoxide or \$5propoxide or		
	\$5isopropoxide or \$5butoxide or		
	\$5isobutoxide)))		}
4	(((430/322,323,324).CCLS.)	USPAT:	2004/10/20 11-25
	((216/24,39).CCLS.)) and (waveguide or	· ·	2004/10/29 11:25
	lightguide or (wave adj quide)) and	1	
	((polymer\$2 or organic or resin\$3 or PMMA	•	
	or MMA or \$10acrylate or \$10methacrylate		
	or \$10acrylic) near2 (oxide or inorganic		
	or T102 or titanium or titania or	į	
4	"TiO.sub.2") near6 (composite or hybrid))		
4	((((430/322,323,324).CCLS.)	USPAT;	2004/10/29 11:25
	((216/24,39).CCLS.)) and (waveguide or	US-PGPUB;	1
	('paleman(2) and	EPO; JPO;	
	((polymers2 or organic or resin\$3 or PMMA	DERWENT;	]
	or \$10acrylate or \$10methacrylate	IBM_TDB	,
	or TiO2 or titoriom (oxide or inorganic	_	
	"TiO sub 2"\ reproc (assistantia or		
	not ((((430/322 322 324) care )		
	((216/24 39) CCTC )) and ((210 1)		
	\$10methacrylate) same ((\$10acrylate or		
}	near3 (alkoxide or \$5mo+boxide or		
	\$5ethoxide or \$5propovide or		
	\$5isopropoxide or \$5butovido or		
	\$5isobutoxide))))		
	4	((216/24,39).CCLS.)) and (waveguide or lightguide or (wave adj guide)) and ((polymer\$2 or organic or resin\$3 or PMMA or MMA or \$10acrylate or \$10methacrylate or \$10acrylic) near2 (oxide or inorganic or TiO2 or titanium or titania or "TiO.sub.2") near6 (composite or hybrid))	((216/24,39).CCLS.)) and ((\$10acrylate or \$10methacrylate) same ((Ti or titanium) near3 (alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or \$5isopropoxide or \$5isopropoxide or \$5isopropoxide or \$5isopropoxide or \$5isobutoxide)))  (((430/322,323,324).CCLS.) ((216/24,39).CCLS.)) and (waveguide or lightguide or (wave adj guide)) and ((polymer\$2 or organic or resin\$3 or PMMA or \$10acrylate or \$10methacrylate or \$10acrylic) near2 (oxide or inorganic or TiO2 or titanium or titania or "TiO.sub.2") near6 (composite or hybrid))  ((((430/322,323,324).CCLS.)) ((216/24,39).CCLS.)) and (waveguide or lightguide or (wave adj guide)) and ((polymer\$2 or organic or resin\$3 or PMMA or \$10acrylate or \$10methacrylate or \$10methacrylate or \$10acrylic) near2 (oxide or inorganic or TiO2 or titanium or titania or "TiO.sub.2") near6 (composite or hybrid))) not ((((430/322,323,324).CCLS.)) ((216/24,39).CCLS.)) and ((\$10acrylate or \$10methacrylate) same ((Ti or titanium) near3 (alkoxide or \$5methoxide or \$5tethoxide or